Index of Claims

Application/Control No.

10/630,240

Examiner

Peter D. Mulcahy

Applicant(s)/Patent under Reexamination

BRADLEY ET AL.

Art Unit

1713

|   | <b>√</b> | Rejected |
|---|----------|----------|
| ĺ | =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| Ļ | Restricted                     |

|   | N | Non-Elected  |
|---|---|--------------|
| i | _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|       |  |                 |  |  |  |  | _                              |  | _  | _               |  |  |  |
|-------|--|-----------------|--|--|--|--|--------------------------------|--|--|-----------------|--|--|--|
| Cla   | aim                                    | m Date          |  |  |  |  |                                |  |  |                 |  |  |  |
| Final | Original                               | 2/22/05         |  |  |  |  |                                |  |  |                 |  |  |  |
|       | 1                                      | V               | <u> </u>   | <del>                                     </del> | H  | ╁  | ╁                              | ╁  | ╂─   | ⊢               |  |  |  |
|       | 2                                      | Y.              | <del>                                     </del> | H  | ╁  | ╁  | ╁                              | ╁  | ╁╌   | +               |  |  |  |
|       | 3                                      | H               | t  | ╁  | <del>                                     </del> | ╁  | $\vdash$                       | +  | $\vdash$   | $\vdash$        |  |  |  |
|       | 4                                      | Ħ               | H  |  | T  | $\vdash$   | ╁                              | T  | ┢  | <del>  -</del>  |  |  |  |
|       | 4<br>5                                 | Ħ               |  | T  | $\vdash$   | 1-   | T                              |  | <del>                                     </del> | -               |  |  |  |
|       | 6                                      | $\sqcap$        | $\vdash$   | $\vdash$   | $\vdash$   | †  | T                              | t  |  |                 |  |  |  |
|       | 7                                      | П               | Г  |  | T  | 1  | 1                              | i  |  |                 |  |  |  |
|       | 8                                      | П               |  |  |  |  |                                |  |  |                 |  |  |  |
|       | 9                                      | 1               |  |  |  |  |                                |  |  | L               |  |  |  |
|       | 10                                     | Щ.              | <u> </u>   |  | <u> </u>   | 1  | <u> </u>                       | ļ.   | ļ  | L               |  |  |  |
|       | 11                                     | Н.              | <u> </u>   | <u> </u>   | L  | _  | ┡                              | <u> </u>   | -  | _               |  |  |  |
|       | 12                                     | #               | -  | ├-   | ├  | $\vdash$   | $\vdash$                       | $\vdash$   | ┡  | <del>  -</del>  |  |  |  |
|       | 11<br>12<br>13<br>14<br>15<br>16<br>17 | ₩               | -  | ├-   | ├_   | -  | ├                              | -  | ⊢  |                 |  |  |  |
|       | 15                                     | H               | $\vdash$   | ├-   | -  | -  | -                              | $\vdash$   | $\vdash$   | $\vdash$        |  |  |  |
|       | 16                                     | Н               | ╫─   | ┢  | ╁  | 1  | H                              | ╁  | ┢  | -               |  |  |  |
|       | 17                                     | ╫               | ┢  |  | H  | H  | H                              | ╁╌   | ╁╴   | $\vdash$        |  |  |  |
|       | 18                                     | $\sqcap$        |  |  |  | 1  | 1                              | _  | <del>                                     </del> | Н               |  |  |  |
|       | 18<br>19                               | X               |  |  | -  | $\vdash$   | $\vdash$                       | $\vdash$   | H  | t               |  |  |  |
|       | 20                                     | マ               |  |  | 1  |  |                                | t  | T  | T               |  |  |  |
|       | 20<br>21                               |                 |  |  |  |  |                                | T  |  | П               |  |  |  |
|       | 22                                     |                 |  |  |  |  |                                |  |  |                 |  |  |  |
|       | 23                                     |                 |  |  |  |  |                                |  |  |                 |  |  |  |
|       | 24                                     | <u> </u>        | L  | _  | ┖  |  | _                              | <u> </u>   | <u></u>  |                 |  |  |  |
|       | 25                                     |                 |  | <u> </u>   | _  | <u> </u>   | ╙                              | <u> </u>   |  |                 |  |  |  |
|       | 26<br>27<br>28                         |                 | _  | L  | <u> </u>   | <u> </u>   | <u> </u>                       | -  | ļ  |                 |  |  |  |
|       | 27                                     | H               | _  | _  | ├  | ऻ_   |                                | ┢  |  | H               |  |  |  |
|       | 20                                     |                 |  | ├  | ├  | ⊢  | ⊢                              |  | $\vdash$   | $\vdash$        |  |  |  |
|       | 29<br>30                               | $\vdash$        |  | ┝  | _  |  |                                | -  | ├  | Н               |  |  |  |
|       | 31                                     |                 | _  | ┝  | $\vdash$   | ┢  | -                              |  | ├  |                 |  |  |  |
| -     | 32                                     | $\vdash$        | -  | $\vdash$   | $\vdash$   | <del> </del>                                     | $\vdash$                       | $\vdash$   | <del>                                     </del> | H               |  |  |  |
|       | 33                                     |                 | $\vdash$   |  | $\vdash$   | $\vdash$   | $\vdash$                       | <del>                                     </del> | $\vdash$   | H               |  |  |  |
|       | 34                                     | Г               |  |  | $\vdash$   | <del>                                     </del> | <u> </u>                       |  |  | Н               |  |  |  |
|       | 35                                     |                 |  |  |  |  |                                |  |  |                 |  |  |  |
| 7     | 36                                     |                 |  |  |  |  |                                |  |  |                 |  |  |  |
| ]     | 37                                     |                 |  |  |  |  |                                |  |  |                 |  |  |  |
|       | 38                                     |                 |  |  | L  |  | $oxedsymbol{oxedsymbol{oxed}}$ |  |  | Ш               |  |  |  |
|       | 39                                     | Щ               |  | ldash  |  | <u> </u>   | L                              | <u> </u>   | _  | $\square$       |  |  |  |
|       | 40                                     | Ш               |  | _  | _  | <u> </u>   |                                | <u> </u>   | <u> </u>   | Щ               |  |  |  |
|       | 41                                     | $\vdash \vdash$ |  |  | _  | <u> </u>   | -                              | ├  | <u> </u>   | $\vdash$        |  |  |  |
|       | 42<br>43                               | $\vdash$        | -  |  |  | $\vdash$   | -                              | -  |  | $\vdash \vdash$ |  |  |  |
|       | 44                                     |                 |  | -  |  | $\vdash$   |                                | -  | <del> </del>                                     | $\vdash$        |  |  |  |
|       | 45                                     |                 | -  | Н  |  |  | -                              | <del> </del>                                     | $\vdash$   | $\vdash \vdash$ |  |  |  |
|       | 46                                     | $\vdash$        | $\dashv$   | Н  | _  | $\vdash$   | -                              | $\vdash$   |  | H               |  |  |  |
|       | 47                                     |                 | -  | -  | _  | $\vdash$   | $\vdash$                       |  | H  | $\dashv$        |  |  |  |
|       | 48                                     |                 | -  | $\dashv$   | _  | Н  | _                              |  | $\vdash$   |                 |  |  |  |
|       | 49                                     | $\dashv$        | $\neg$   |  |  |  |                                |  |  |                 |  |  |  |
|       | 50                                     | $\dashv$        | $\dashv$   | $\neg$   | _  | _  | $\vdash$                       |  |  |                 |  |  |  |

| Cla    | aim      |          |        |        |          | Dat      | e        |          |          |          | ]   | Cla         | aim      |           |          |           |  | Dat  | е        |        |                 |           |
|--------|----------|----------|--------|--------|----------|----------|----------|----------|----------|----------|-----|-------------|----------|-----------|----------|-----------|--|--|----------|--------|-----------------|-----------|
|        | _        | ء، ا     |        |        |          |          | 1        | 1        | 1        | 1        |     |             |          |           |          |           | Γ  |  |          |        |                 | _         |
| Final  | Original | 2/22/05  | -      |        |          |          |          |          |          |          |     | <u>a</u>    | Original |           |          |           |  | 1  |          |        |                 |           |
| ίĒ     | )rig     | 727      | 1      |        | 1        | 1        | 1        | 1        |          | 1        |     | Final       | rig      |           | l        |           |  | 1  | 1        |        |                 |           |
|        | ٦        | "        | L      | 1      |          | 1        | 1        |          |          | 1        |     |             | ٥        |           |          |           | 1  | 1  |          | l      | l               | i         |
|        | 1        | V        |        | 1      | 1        |          |          | 1        | 1        |          | 1   |             | 51       | T         |          | <u> </u>  | T  | t  | T        |        |                 |           |
|        | 2        | Ť        | T      | İ      | T        | Т        |          | T        |          |          | 1   |             | 52       | Г         | _        |           | t  | t  |          | †      | 1               |           |
|        | 3        | Ħ        | t      | T      |          | $\vdash$ |          | T        |          | T        | 1   |             | 53       | Ħ         |          |           | t  | 1-   | 1-       | 1      |                 |           |
|        | 4        | T        | T      |        | Ì        |          | T        |          | 1        | T        | 1   |             | 54       | İ         | _        |           | ✝  | $\top$   | T        | Г      |                 |           |
|        | 5        | Ħ        |        |        |          | 1        | T        |          | 1        | T        | 1   | -           | 55       |           |          |           | T  |  | t        |        | $\vdash$        |           |
|        | 6        | $\sqcap$ | $\top$ | $\top$ | T        | İ        | $\vdash$ | t        |          |          | 1   |             | 56       |           |          | _         |  |  |          | H      |                 | Т         |
|        | 7        | Γt       | ┰      | T      | T        | T        | T        | ı        | İ        | <b>†</b> | 1   |             | 57       |           | _        | $\vdash$  | <del>                                     </del> | ┢  | <u> </u> |        |                 | П         |
|        | 8        | H        | Т      | İ      |          |          |          | ĺ        | İ        |          |     |             | 58       |           |          | Т         |  |  |          |        |                 |           |
|        | 9        | 17       | Г      |        | T        | İ        |          | 1        |          | T        | 1   |             | 59       |           |          |           |  |  | H        | -      | $\vdash$        |           |
|        | 10       |          | İ      |        |          |          | 1        |          |          | Г        | 1   |             | 60       |           |          |           |  |  | i –      | Г      | ┪               |           |
|        | 11       | Т        | Π      | 1      |          |          | Ī        |          |          |          |     |             | 61       |           |          |           |  |  |          | Г      |                 |           |
|        | 12       | Т        |        |        |          |          |          | T        |          |          | 1   |             | 62       |           |          |           |  | T  |          |        |                 | П         |
|        | 13       | П        |        |        | Ī        |          |          |          | П        | T        | 1   |             | 63       |           | _        |           |  |  |          |        |                 | П         |
|        | 14       | П        |        | П      | Ī        | Ī        |          | Ī        | Π        | T        | 1   |             | 64       |           | _        |           |  |  |          |        |                 | П         |
|        | 15       | Π        |        |        |          |          |          |          |          |          | 1   |             | 65       |           |          |           | _  | t  |          |        |                 |           |
|        | 16       | П        |        |        | T        |          | 1        |          | Ī        | 1        | 1   |             | 66       |           | _        |           |  | 1  |          |        |                 | П         |
|        | 17       | Π        | Π      | Ì      |          |          |          |          |          |          | 1   |             | 67       |           |          |           |  | T  |          |        |                 |           |
|        | 18       | П        |        |        |          |          |          |          |          |          | 1   |             | 68       |           |          |           |  |  |          |        |                 |           |
|        |          | X        |        |        |          |          |          | $\vdash$ | Г        |          | 1   |             | 69       |           |          |           | $\vdash$   | <del>                                     </del> |          |        |                 | П         |
|        | 20       | V        |        | Ī      | $\vdash$ |          |          | T        | Ħ        |          | 1   |             | 70       |           |          |           |  |  |          |        |                 | Н         |
|        | 21       |          |        |        |          |          |          |          |          |          | 1   |             | 71       |           |          |           |  |  |          |        |                 | $\neg$    |
|        | 22       |          | İ      |        | T        | Г        |          | T        | İ        |          | 1   |             | 72       |           |          |           | -  |  |          |        |                 | $\neg$    |
|        | 23       |          |        |        | T        | П        |          |          |          |          | 1   |             | _73      |           |          | _         |  |  |          |        |                 |           |
|        | 24       |          |        |        |          | T-       | Г        | T        | T        |          | 1   |             | 74       |           |          |           | ┢  | T  |          |        |                 | $\vdash$  |
|        | 25       |          | Г      |        | İ        |          | _        |          | 1        |          | 1   |             | 75       |           |          |           | $\vdash$   |  |          |        |                 |           |
|        | 26       |          |        |        |          |          |          |          | Т        |          |     |             | 76       |           |          |           |  | <del>                                     </del> |          |        |                 |           |
|        | 27       |          | Г      |        | T        |          |          |          |          |          | 1   |             | 77       |           |          |           |  |  |          |        |                 |           |
|        | 28       |          |        |        |          |          | Г        |          |          | $\vdash$ | 1   |             | 78       |           |          |           |  |  | _        |        |                 |           |
|        | 29       |          |        | Г      |          |          |          |          | Г        | _        |     |             | 79       |           |          |           |  |  |          |        |                 | $\Box$    |
|        | 30       |          |        | Т      |          |          |          |          |          | $\vdash$ |     |             | 80       |           |          |           |  |  |          |        |                 | $\dashv$  |
|        | 31       |          | T      |        |          |          |          | _        | Г        |          | 1   |             | 81       |           |          |           |  |  |          | _      |                 | $\exists$ |
|        | 32       |          | Т      |        |          |          |          | $\vdash$ | $\vdash$ |          | 1   |             | 82       |           |          |           | Т  | -  |          |        |                 |           |
|        | 33       |          |        |        |          |          |          |          |          |          | ١,  |             | 83       |           |          |           | _  | _  |          |        |                 |           |
|        | 34       |          |        | _      | Т        | 1        |          |          |          |          | ĺ   |             | 84       | $\exists$ |          |           |  | <u> </u>   |          |        | $\neg$          | $\neg$    |
|        | 35       |          |        | ļ      | <u> </u> |          | Γ        |          | Г        |          | 1 1 |             | 85       |           |          |           |  |  |          |        | $\Box$          |           |
| 7      | 36       |          |        |        |          |          |          |          |          |          |     |             | 86       | $\neg$    |          |           |  |  |          |        |                 | $\dashv$  |
|        | 37       |          |        |        |          |          |          |          |          |          |     |             | 87       |           |          |           |  |  |          |        |                 | $\dashv$  |
|        | 38       |          |        |        |          |          |          |          |          |          |     | $\neg \neg$ | 88       | 一         |          |           |  |  |          |        |                 | $\sqcap$  |
|        | 39       |          |        |        |          |          |          |          |          |          |     | İ           | 89       | ヿ         | $\neg$   |           |  |  |          |        | $\neg$          |           |
|        | 40       |          |        |        |          |          |          |          |          |          |     |             | 90       |           | $\neg$   |           |  |  |          |        |                 | $\Box$    |
| $\Box$ | 41       |          |        |        |          |          |          |          |          |          |     |             | 91       | 寸         | $\neg$   |           |  |  |          | $\Box$ | 寸               | ヿ         |
|        | 42       |          |        |        |          |          |          |          |          |          |     |             | 92       | T         |          |           |  |  |          |        |                 |           |
|        | 43       |          |        |        |          |          |          |          |          |          |     |             | 93       |           |          | $\neg$    |  |  |          |        | 寸               | $\exists$ |
|        | 44       |          |        |        |          |          |          |          |          |          |     |             | 94       |           | 一        | $\neg$    |  |  |          |        | 寸               | $\dashv$  |
|        | 45       |          |        |        |          |          |          |          |          |          |     |             | 95       | $\neg$    |          |           |  |  |          |        | $\neg \uparrow$ | $\neg$    |
| コ      | 46       |          |        |        |          |          |          |          |          |          |     |             | 96       | ヿ         | $\neg$   | $\exists$ |  |  | $\neg$   |        | $\neg$          | $\neg$    |
| $\Box$ | 47       |          |        |        |          |          |          |          |          |          | Ì   |             | 97       | 寸         |          | $\neg$    |  |  |          | $\neg$ | 寸               | $\neg$    |
| ╗      | 48       |          |        |        |          |          |          |          |          |          |     |             | 98       |           | ┪        |           |  |  |          | $\neg$ | 寸               | $\neg$    |
| $\Box$ | 49       |          |        |        |          |          |          |          |          |          |     |             | 99       | 寸         | $\dashv$ |           | $\neg$   |  |          | $\neg$ |                 | $\neg$    |
|        | 50       |          |        |        |          |          |          |          |          |          |     |             | 100      | 7         | 7        |           | $\neg$   |  |          | T      |                 | $\neg$    |
|        |          |          |        |        |          |          |          |          |          |          | •   |             | 1        |           |          | _         |  |  |          |        |                 |           |

| CI              | aim                                    | Date                           |            |                    |   |          |              |              |   |          |  |
|-----------------|--|--------------------------------|------------|--------------------|---|----------|--------------|--------------|---|----------|--|
|                 |  | Ī                              |            | Ī                  |   |          |              | Τ            | Γ   |          |  |
| <u></u>         | Original                               |                                |            |                    |   |          |              |              |   |          |  |
| Final           | ij                                     |                                |            |                    |   |          | İ            |              |   |          |  |
| -               | Ō                                      |                                |            |                    |   |          |              |              |   |          |  |
|                 | 101                                    | ┢                              | ├╌         | ╁                  | ╁   | $\vdash$ | ╀            | ╁            | ⊢   | $\vdash$ |  |
| -               | 101<br>102                             | ├                              | ⊢          | +-                 | ┾   | ╁        | ╌            | ╀            | $\vdash$  | -        |  |
| <u> </u>        | 102                                    | ⊢                              | ⊢          | ╀                  | ╀╌  | ╄        | ┢            | ┢            | -   | -        |  |
|                 | 103                                    | ┡                              | ├-         | ₩                  | ╀   | ⊢        | ⊢            | ╀            | -   | ┝        |  |
|                 | 104<br>105                             | <u> </u>                       | ⊢          | ┼-                 | ⊢   | ├-       | ├            | ₽            | ▙   | $\vdash$ |  |
|                 | 105                                    | <u> </u>                       | ⊢          | ╄                  | ┼   | ├        | -            | ļ.,          | ļ   | <u> </u> |  |
|                 | 106                                    | <u> </u>                       | ⊢          | ↓                  | ╄   | ↓_       | <u> </u>     | -            | _   | Щ        |  |
|                 | 107                                    | <u> </u>                       | ļ          |                    | <del> </del>  | ▙        | ╙            | ┖            | <u> </u>  | <u> </u> |  |
|                 | 108                                    | <u> </u>                       | 匚          | ╙                  | ┖   | L        | _            | _            |   | Ш        |  |
|                 | 109                                    | _                              |            | <u> </u>           |   |          | L            |              |   |          |  |
|                 | 110                                    |                                |            |                    | ┖   | <u> </u> | _            | $oxed{oxed}$ |   | Ш        |  |
|                 | 111                                    |                                | <u>L</u> . |                    |   | L        | L            |              |   |          |  |
|                 | 112                                    | $oxedsymbol{oxedsymbol{oxed}}$ | L          | L                  | $oldsymbol{ol}}}}}}}}}}}}}$ | Ĺ        |              | L            | L   |          |  |
|                 | 113                                    | L                              | Ĺ          |                    |   |          |              |              |   |          |  |
|                 | 114                                    |                                |            |                    |   |          |              |              |   |          |  |
|                 | 115                                    |                                |            |                    |   |          |              |              | П   | П        |  |
|                 | 116                                    |                                |            | Т                  | Π   | Ī        |              | 1            | Г   | П        |  |
|                 | 117                                    | T                              | Г          | Π                  |   | 1        |              | Г            | Τ   | П        |  |
|                 | 118                                    |                                |            |                    |   |          |              |              |   | П        |  |
|                 | 119                                    |                                | $\vdash$   | ✝                  | <del>                                     </del>  | t        |              | T            | 1   | Н        |  |
|                 | 120                                    | $\vdash$                       | ╁          | T                  | $\vdash$  | $\vdash$ | $\vdash$     | ╁─           | H   | Н        |  |
| -               | 121                                    | $\vdash$                       | _          | ┢                  | ┢   | H        | -            | ├-           |   | Н        |  |
|                 | 121<br>122                             | _                              | -          | $\vdash$           | ┢   | ⊢        | ╁            | -            | Η.  | Н        |  |
|                 | 122                                    | -                              | -          | $\vdash$           | $\vdash$  | ┢╌       | <del> </del> | ┢            | -   | Н        |  |
| $\vdash$        | 123<br>124<br>125<br>126<br>127<br>128 | _                              | -          | ⊢                  | ⊢   | ┝        | ┝            | -            |   | Н        |  |
|                 | 124                                    | _                              | -          | ┢                  | ╁   | $\vdash$ | -            |              | $\vdash$  | Н        |  |
| $\vdash \vdash$ | 120                                    |                                | -          | -                  | ┢   | ├        | _            | -            | _   | $\vdash$ |  |
| $\vdash$        | 120                                    | $\vdash$                       | -          | ⊢                  | ├-  | ╁        | -            | -            | ├   | Н        |  |
| $\vdash$        | 127                                    |                                |            | <u> </u>           | ⊢   | ├        | ┝            | ⊢            | ⊢   | Н        |  |
| $\vdash$        | 120                                    | -                              |            | ⊢                  | -   | ├-       | <u> </u>     | _            | _   | Н        |  |
| <u> </u>        | 129<br>130                             |                                | _          | _                  | ┡   | <u> </u> | <u> </u>     |              | _   | Щ        |  |
|                 | 130                                    | L                              |            |                    | _   | <u> </u> | <u> </u>     |              | ╙   | Ш        |  |
|                 | 131                                    |                                | _          | L.                 | _   |          |              | _            | _   | Щ        |  |
| $oxed{oxed}$    | 132<br>133                             |                                | L          | <u> </u>           | <u> </u>  | L_       | _            | <u> </u>     | <u> </u>  | Ш        |  |
| $\sqcup \sqcup$ | 133                                    | Щ                              |            | $oxed{L}$          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$   |          | L            | <u> </u>     | <u> </u>  | Ш        |  |
|                 | 134                                    | Щ                              | _          | L.                 | $ldsymbol{ld}}}}}}$  |          |              | <u> </u>     | $ldsymbol{ld}}}}}}$ | Ш        |  |
|                 | 135                                    | Ш                              | _          | <u> </u>           |   | 匚        | L            | L            | $ldsymbol{ld}}}}}}$ | Ш        |  |
|                 | 136                                    |                                |            | $oxedsymbol{oxed}$ |   |          |              |              | L   |          |  |
|                 | 137                                    |                                |            |                    | _   | _        |              |              |   |          |  |
|                 | 137<br>138                             |                                |            | Ŀ                  | $\Box$  | 匚        |              |              |   |          |  |
|                 | 139                                    |                                |            | Ĺ                  | Ĺ   |          |              |              |   |          |  |
| I               | 140                                    |                                |            |                    |   |          |              |              |   |          |  |
|                 | 141                                    |                                |            |                    |   |          |              |              |   |          |  |
|                 | 142                                    |                                |            |                    |   |          |              |              |   |          |  |
|                 | 143                                    |                                |            |                    |   |          |              |              |   |          |  |
|                 | 144                                    |                                |            |                    |   |          | _            |              | $\Box$  | $\vdash$ |  |
|                 | 145                                    |                                |            |                    | Г   | П        |              |              | М   | $\dashv$ |  |
|                 | 146                                    | $\dashv$                       |            | Ι                  | _   | Н        | _            | _            | Н   | $\dashv$ |  |
|                 | 147                                    |                                |            | $\vdash$           | $\vdash$  | $\vdash$ |              | -            | Н   | $\dashv$ |  |
| $\dashv$        | 148                                    | $\dashv$                       |            | $\vdash$           | -   | -        |              | -            |   | $\dashv$ |  |
|                 | 149                                    |                                | -          | $\vdash$           | -   |          |              | $\dashv$     | $\vdash$  | $\dashv$ |  |
| -+              | 150                                    |                                |            | $\vdash$           | <del> </del>  | $\vdash$ |              | $\vdash$     | $\vdash$  | $\dashv$ |  |
|                 | 150                                    |                                |            | Ц.                 |   | ш        |              |              | Ш   |          |  |